

REMARKS

Applicants have amended the specification to apply the correct SEQ ID NOs to the correct sequences, and to more clearly explain the coding region of the reverse complement of one of the sequences. Also, applicants have added to the Related Applications paragraph the provisional application serial number which was previously unknown.

On page 29, the SEQ ID NOs assigned to SEQ ID NOs:9 and 10 were switched in the table. The amendment switches them back to the correct assignments. Support for this amendment appears in Table 3 on page 20.


On page 73, SEQ ID NO:43 is the reverse complement to the coding strand for SEQ ID NO:44. It would be obvious to one skilled in the art to apply the open reading frame statistics to the reverse complement. The specification has been changed to make this more explicit.

On pages 172 and 178, SEQ ID NO:73 is used twice. The SEQ ID NO:73 on page 178 has been changed to SEQ ID NO:93.

Applicants also submit a Sequence Listing and incorporate this Sequence Listing into the Specification. 37 C.F.R. §§ 1.821-1.825. No new matter is added. This amendment is in response to the Notice to Comply with Sequence Listing Requirements mailed on July 3, 2001. This amendment with sequence listing should be timely filed if submitted on or before September 3, 2001. The Applicant believes that there are no fees due, but the Commissioner is hereby authorized to charge any fees that may be due, or credit any overpayment of same, to Deposit Account No. 50-0311, Reference No. 15966-552 (CURA-52).

Respectfully submitted,

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Version with markings to show changes made

Amend the paragraph on page 1, line 5 as follows:

This application claims priority to USSN 60/137,322 filed June 3, 1999; USSN 60/189,810 filed March 16, 2000; USSN 60/191,158, filed March 22, 2000; USSN 60/193,086, filed March 30, 2000; and USSN 60/201,388, [] filed May 3, 2000.

Amend the paragraph on page 73, line 7 as follows:

856 CACTGATTCTGAGGTTCTGACACACTACAACATCACTGGGAACAC
rThrAspSerGluValLeuThrHisTyrAsnIleThrGlyAsnTh
901 CATCTGCCTCTTTTCGCCTGGTAGACAATGAACAACTGAATTTAGA
rIleCysLeuPheArgLeuValAspAsnGluGlnLeuAsnLeuGl
946 GGACGAAGACATTGAAAGCATTGATGCCACCAAATTGAGCCGTTT
uAspGluAspIleGluSerIleAspAlaThrLysLeuSerArgPh
991 CATTGAGATCAACAGCCTCCACATGGTGACAGAGTACAACCCTGT
eIleGluIleAsnSerLeuHisMetValThrGluTyrAsnProVa
1036 GACTGTGATTGGGTTATTCAACAGCGTAATTCAGATTCATCTCCT
lThrValIleGlyLeuPheAsnSerValIleGlnIleHisLeuLe
1081 CCTGATAATGAACAAGGCCTCCCCAGAGTATGAAGAGAACATGCA
uLeuIleMetAsnLysAlaSerProGluTyrGluGluAsnMetHi
1126 CAGATACCAGAAGGCAGCCAAGCTCTTCCAGGGGAAGATTCTCTT
sArgTyrGlnLysAlaAlaLysLeuPheGlnGlyLysIleLeuPh
1171 TATTCTGGTGGACAGTGGTATGAAAGAAAATGGGAAGGTGATATC
eIleLeuValAspSerGlyMetLysGluAsnGlyLysValIleSe
1216 ATTTTTCAAATAAGGAGTCTCGACTGCCAGCTTTGGGAATTTA
rPhePheLysLeuLysGluSerArgLeuProAlaLeuGlyIleTy
1261 CCAGACTCTAGATGACGAGTGGGATACACTGCCCACAGCAGAAGT
rGlnThrLeuAspAspGluTrpAspThrLeuProThrAlaGluVa
1306 TTCCGTAGAGCATGTGCAAACTTTTGTGATGGATTCTAAGTGGG
lSerValGluHisValGlnAsnPheCysAspGlyPhe (SEQ ID NO: [10] 9)
1351 AAATTGTTGAAAGAAAATCGTGAATCAGGAAGGGGAAAAGGGAC
1396 TCCCAAAAAGGGGTTGGGGGAAAACCT (SEQ ID NO: [9] 10)

Amend the paragraph on page 73, line 7 as follows:

A NOV22 nucleic acid sequence according to the invention includes the nucleic acid sequence of SEQ ID NO:43. The nucleotide sequence includes 1914 nucleotides. An open reading frame was identified in the reverse complement of SEQ ID NO:43 beginning with an ATG initiation codon at nucleotides 1078-1080 and ending with a stop codon at nucleotides 1834-1836. The encoded polypeptide has 252 amino acid residues (SEQ ID NO:44). The encoded NOV22 polypeptide differs at two positions from the NOV5 protein (see above) and is identical to the NOV21 protein (see above).

Amend the paragraph on page 178 starting on line 4as follows:3189601 F-Forward:
CGTC GGA TCC ATG CCA CAT CTG TAT ATA GAT GGG GTT TTT CC
(SEQ ID NO:[7]93)

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